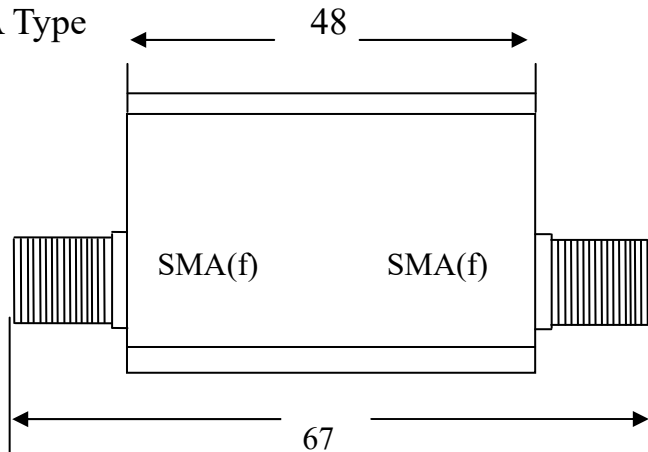


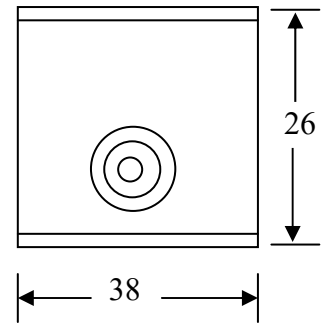
# TM Module Filter Specification Sheet

|                      |               |                      |                       |
|----------------------|---------------|----------------------|-----------------------|
| Customer Name        |               | Temwell's Part No.   | TM-TF69810B-1270M-SMA |
| Approval No. /dated  | 202011037CD   | Customer's Part No.  |                       |
| Work Instruction No. | 202011037CD   | Date                 | Dec.14.2020           |
| Case Name            | TM            | Temwell's print name | 69810B<br>1270M       |
| Terminator Type      | SMA(f)/SMA(f) | Case size : ( mm)    | 48*38*26              |

SMA Type



Unit:mm



## (3) Electric Character

| Item                          |                 | Specify                |     | Performance            |     |
|-------------------------------|-----------------|------------------------|-----|------------------------|-----|
| Center Freq.(Fo ) +/- 0.5 %   |                 | 1270                   | MHz | 1270                   | MHz |
| Insertion Loss                |                 | Typ. 3.0               | dB  | 1.93                   | dB  |
| -3 dB Bandwidth               |                 | Typ. 60                | MHz | 64.0                   | MHz |
| Sensitivity<br>(Attenuation ) | Fo -( 100 ) MHz | Typ. 49                | dB  | 54                     | dB  |
|                               | Fo +( 100 )MHz  | Typ. 37                | dB  | 42                     | dB  |
|                               | Fo -( )MHz      | >                      |     |                        | dB  |
|                               | Fo +( )MHz      | Typ.                   | dB  |                        | dB  |
| Return Loss                   |                 | Min. 12                | dB  | 18.8                   | dB  |
| Ripple                        |                 | < 1                    | dB  |                        | dB  |
| Group Delay                   |                 |                        | ns  |                        | ns  |
| Impedance                     |                 | In / Out : 50 $\Omega$ |     | In / Out : 50 $\Omega$ |     |

## 4.Temperature Condition:

|                       |                 |
|-----------------------|-----------------|
| Operating Temperature | 0 °C ~ +60 °C   |
| Storage Temperature   | -20 °C ~ +70 °C |

|            |            |          |                               |
|------------|------------|----------|-------------------------------|
| Approval   | Supervisor | Designer | PCB                           |
| C.C. Chang | C.K. Chang | Z.J. Lu  | 7H4B PCB(41x12)<br>7H046RB5.5 |

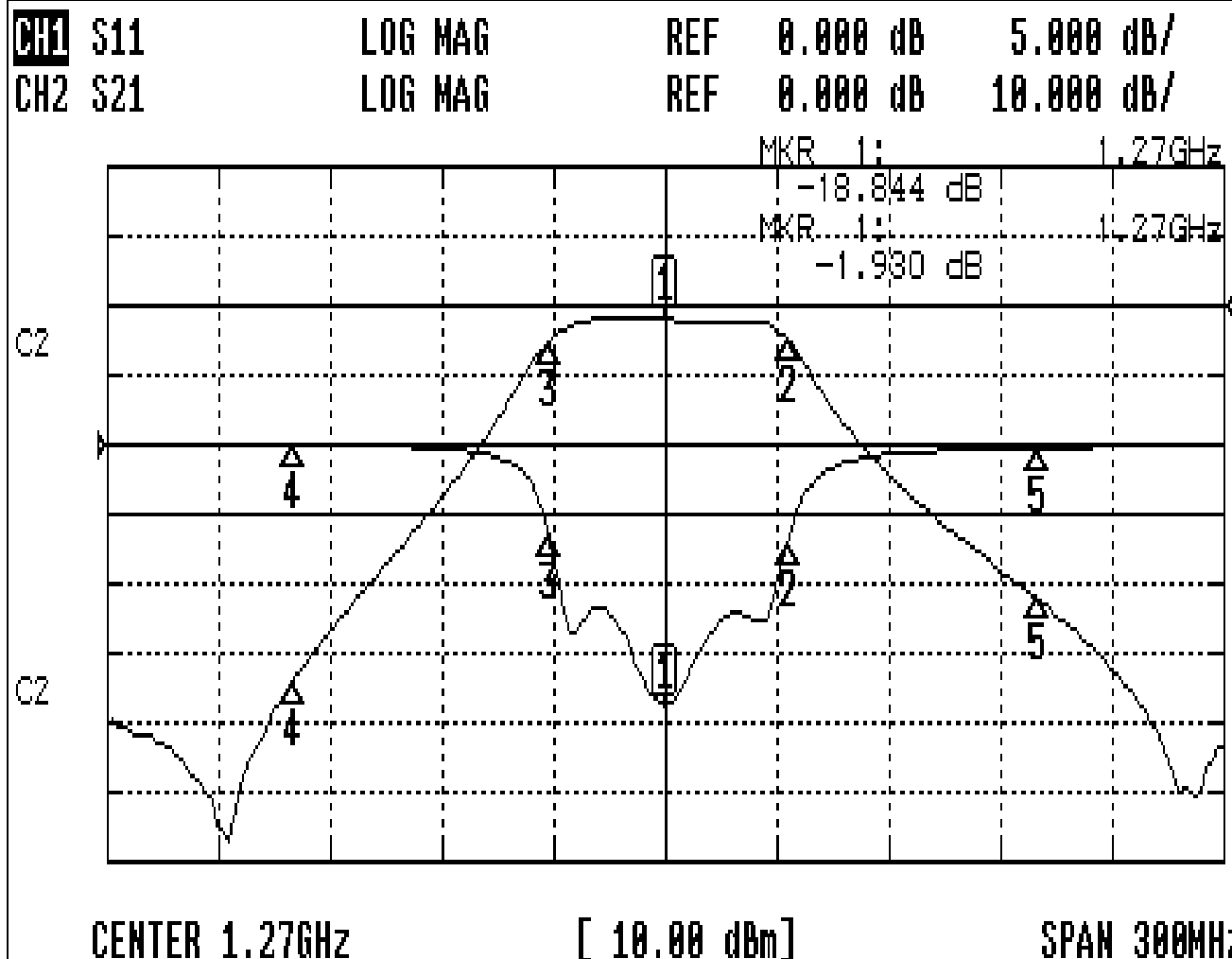
**TEMWELL CORPORATION**

TEMWELL Form11- TM- -Vession C

RP(Z.J.)

# Performance-TM-TF69810B-1270M-SMA

## 202011037CD



### CH1 MARKER LIST

|    |              |            |
|----|--------------|------------|
| 1: | 1.270 000GHz | -18.844 dB |
| 2: | 1.303 000GHz | -7.000 dB  |
| 3: | 1.239 000GHz | -6.594 dB  |
| 4: | 1.170 000GHz | 0.016 dB   |
| 5: | 1.370 000GHz | -0.208 dB  |

### CH2 MARKER LIST

|    |              |            |
|----|--------------|------------|
| 1: | 1.270 000GHz | -1.930 dB  |
| 2: | 1.303 000GHz | -4.977 dB  |
| 3: | 1.239 000GHz | -4.950 dB  |
| 4: | 1.170 000GHz | -54.022 dB |
| 5: | 1.370 000GHz | -42.273 dB |